



DESCRIPTION : MIDI BOLT DOWN FUSE 100V,RoHS.

PART NO: PBFT-100V-In
(REFER TABLE)

APPROVALS:



RoHS



MATERIAL AND FINISH

TOP & BOTTOM HOUSING (30A-200A) : PPA, 30% GLASS FILLED UL94-V0, GREEN COLOR
STRIP : COPPER, Sn PLATED
RIVET : ALUMINUM/CARBON STEEL.

ELECTRICAL DATA

VOLTAGE RATING : 100V DC
INTERRUPTING RATING : 2500A @ 100V DC
REFERENCE STANDARD : ISO 20934/UL 248-1

ENVIRONMENTAL DATA

OPERATING TEMPERATURE : -40°C to +120°C

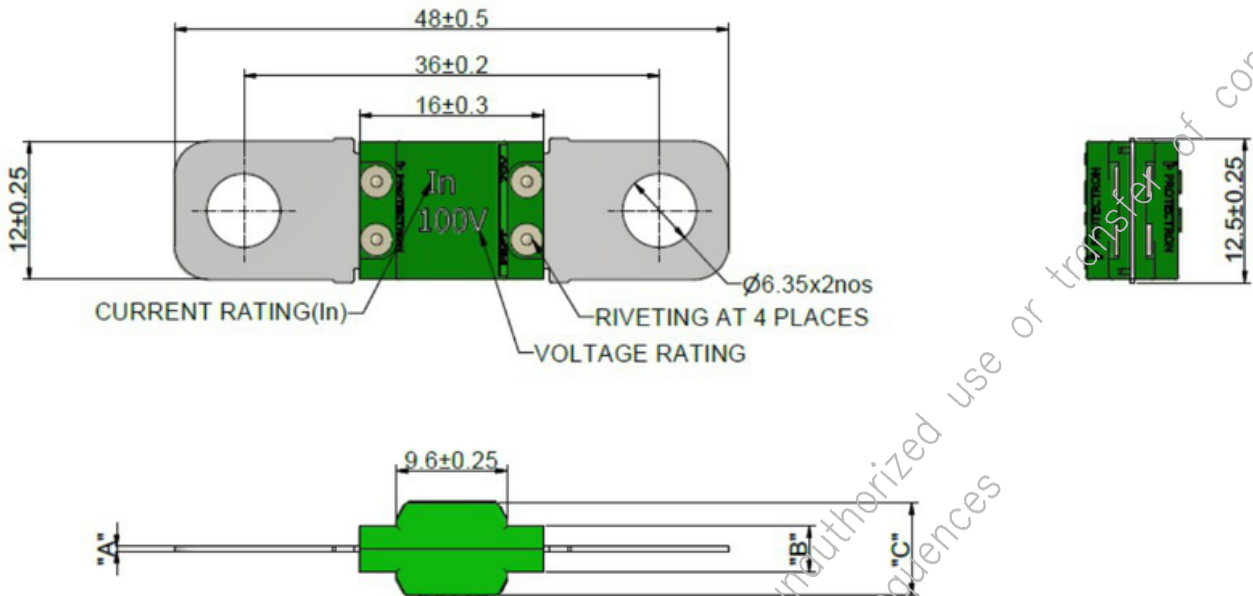
MECHANICAL DATA

MOUNTING TORQUE M6 : 10Nm MIN(TO BE TIGHTENED/MOUNTED WITH
DIGITAL TORQUE-WRENCH)
PULL STRENGTH : 70N MIN.

PACKING DETAILS : TRAY PACKING (110No's/TRAY)

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CURRENT RATING	DIMENSIONS A(±0.02)	DIMENSIONS B(±0.15)	DIMENSIONS C(±0.15)
30A-80A	0.40mm	4.2mm	8.2mm
100A-200A	0.60mm	4.4mm	8.4mm

In-NOMINAL CURRENT RATING

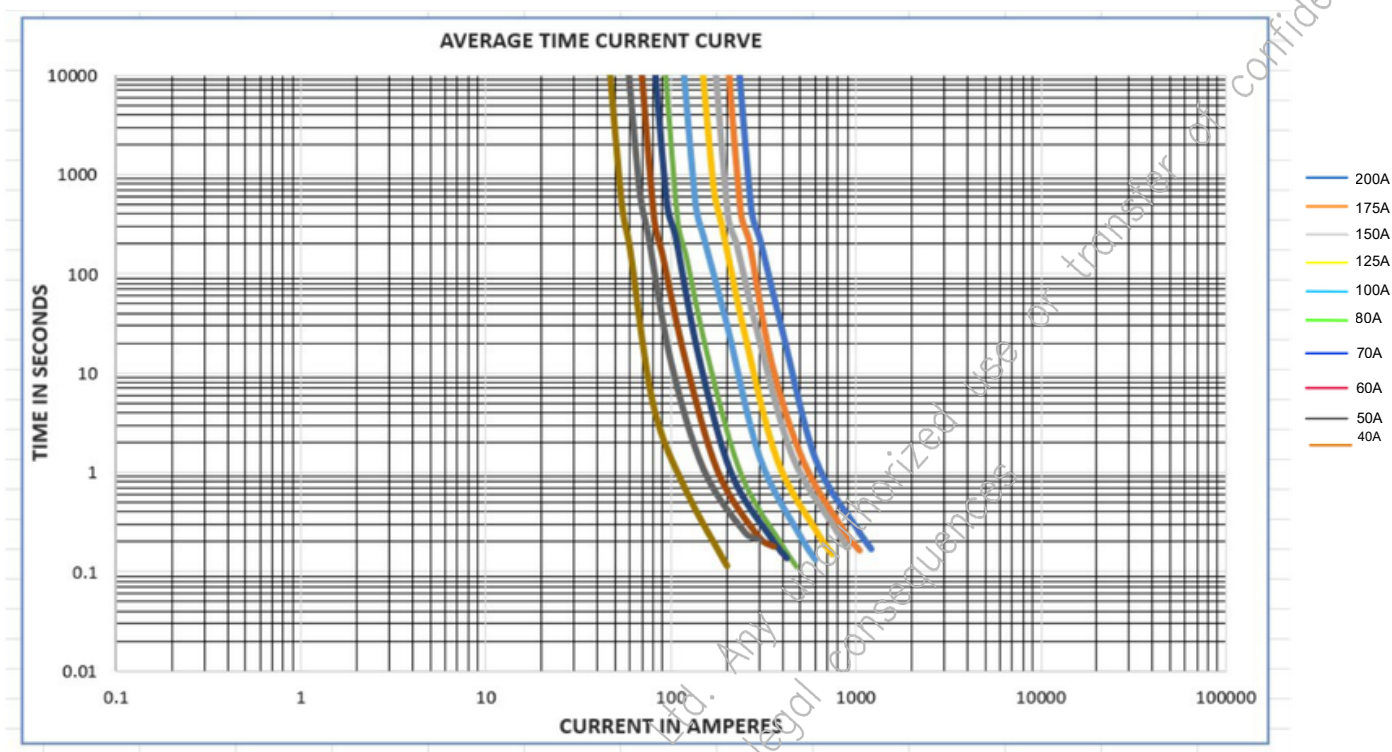
PART NUMBERS	CURRENT RATING	CABLE SIZE AS PER ISO 20934	TYP. COLD RESISTANCE	TYP.I ² T (A ² Sec)	TYP.VOLTAGE DROP(mV)
PBFT-100V-30A	30 A	2.5 mm ²	1.85 mΩ	2600	65
PBFT-100V-40A	40 A	4 mm ²	1.45 mΩ	4000	64
PBFT-100V-50A	50 A	6 mm ²	1.10 mΩ	6500	63
PBFT-100V-60A	60 A	6 mm ²	0.88 mΩ	8000	60
PBFT-100V-70A	70 A	10 mm ²	0.70 mΩ	15000	58
PBFT-100V-80A	80 A	10 mm ²	0.60 mΩ	24000	56
PBFT-100V-100A	100 A	10 mm ²	0.445 mΩ	36000	54
PBFT-100V-125A	125 A	16 mm ²	0.405 mΩ	60000	54
PBFT-100V-150A	150 A	25 mm ²	0.310 mΩ	145000	48
PBFT-100V-175A	175 A	25 mm ²	0.255 mΩ	158100	52
PBFT-100V-200A	200 A	35 mm ²	0.222 mΩ	216000	42



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TIME-CURRENT GRAPH[30A-200A]



TIME-CURRENT CHARACTERISTICS[30A-200A]

% of Rating A	OPERATING TIME	
	MIN	MAX
100	100 hrs	-/-
135	300 sec	3600 sec
150	90 sec	500 sec
200	1 sec	50 sec
300	0.3 sec	4 sec
500	0.1 sec	1 sec
600	0.07 sec	0.7 sec

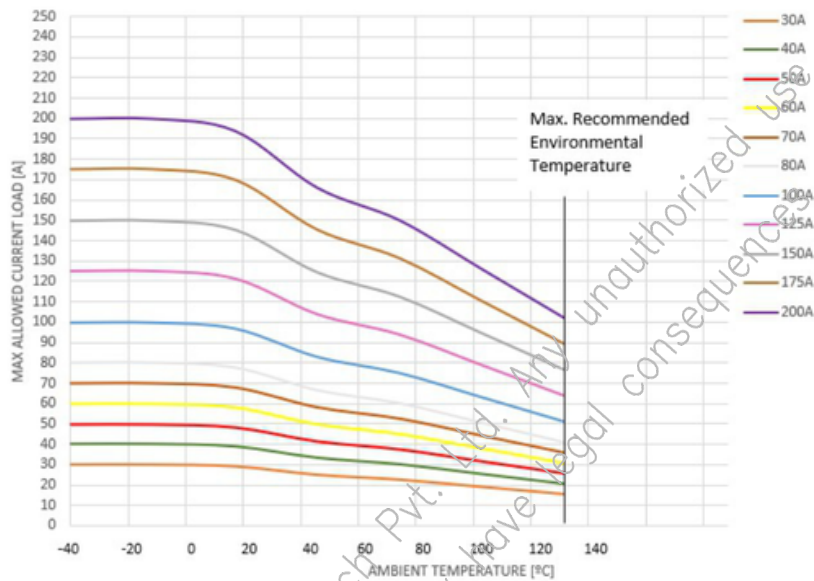


PROTECTRON[®]
ELECTROMECH (P) LTD

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TYPICAL DERATING OF FUSE MELTING ELEMENT
TEMPERATURE SECURITY MARGIN IS 20%

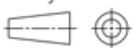


MOQ- AS SPECIFIED
SPQ- AS SPECIFIED

ORDERING INFORMATION

PBFT-100V-In
(REFER TABLE)

Projection:



Scale: NTS

Sht. Size: A4

Gen. Tol.: $\pm 0.15\text{mm}$
 $\pm 2'$

ALL DIMENSIONS ARE IN MM.
IF UNLESS OTHERWISE SPECIFIED.